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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/825,448             |              |
|   | Filing Date          | APRIL 15, 2004         |              |
|   | First Named Inventor | STEPHEN WIELAND ET AL. |              |
|   | Art Unit             | 2858                   |              |
|   | Examiner Name        | WALTER BENSON          |              |
| Total Number of Pages in This Submission  | 13                   | Attorney Docket Number | 370020-00025 |

| ENCLOSURES (Check all that apply)   |   |   |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                                      |          |        |
|--|--------------------------------------|----------|--------|
| Firm Name                                  | Eckert Seamans Cherin & Mellott, LLC |          |        |
| Signature                                  | <i>William F. Lang IV</i>            |          |        |
| Printed name                               | William F. Lang, IV                  |          |        |
| Date                                       | June 6, 2005                         | Reg. No. | 41,928 |

| CERTIFICATE OF TRANSMISSION/MAILING   |                           |      |              |
|---|---------------------------|------|--------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                           |      |              |
| Signature   | <i>William F. Lang IV</i> |      |              |
| Typed or printed name   | William F. Lang, IV       | Date | June 6, 2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Walter Benson :  
 :  
Group Art Unit 2858 :  
 :  
In re Application of: : NON-LOAD DRIVEN FAULT  
STEPHEN WIELAND ET AL : MONITOR FOR ELECTRICAL  
 : CIRCUITS  
 :  
Serial No. 10/825,448 :  
 :  
Filed: April 15, 2004 : Attorney Docket No. 370020-00025  
 :

**AMENDMENT**

Eckert Seamans Cherin & Mellott, LLC  
600 Grant Street, 44th Floor  
Pittsburgh, Pennsylvania 15219  
June 6, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

This amendment is being filed in response to the Office Action dated March 4, 2005, the time for response being by June 4, 2005. Because June 4, 2005 falls on a Saturday, the time for response is by Monday, June 6, 2005.

No fee is believed to be required for the filing of this amendment. However, the United States Patent and Trademark Office is authorized to charge any required fee or underpayment of fee, or credit any overpayments, to Deposit Account Number: 02-02556 of Eckert Seamans Cherin & Mellott, LLC.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 4 of this paper.

**Remarks** begin on page 8 of this paper.